Web Traffic across the Firewall

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Firewall Web Components

- ◆ **DMZ**
  - ■ Application Servers
    - ❖ Out-going Proxy (Vulcania)
    - ❖ In-coming Proxy (wwwproxy)
- ◆ **Routers**

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Out-going Proxy (Vulcania/www-proxy)

- ◆ **History**
  - ■ configure proxy preference
- ◆ **Why proxy?**
  - ■ cache
  - ■ masquerade
  - ■ waste, fraud and abuse
- ◆ **Rules**
  - ■ blue to www.lanl.gov

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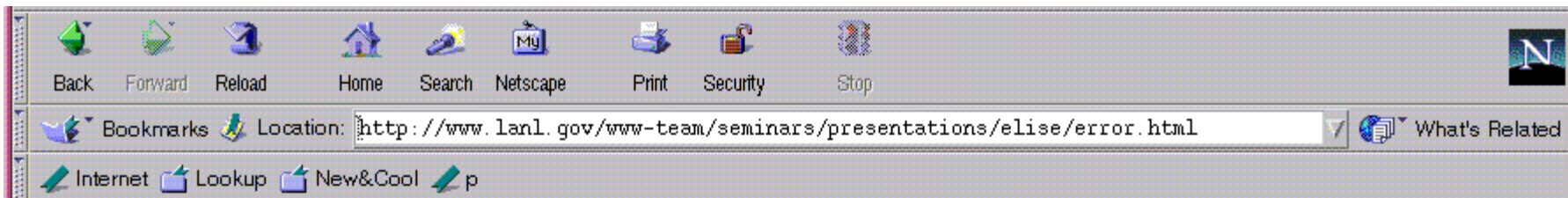
ERROR

The requested URL could not be retrieved

While trying to retrieve the URL: http://whitehouse.com/

The following error was encountered:

- **Access Denied.**

  Access control configuration prevents your request from being allowed at this time. Please contact your service provider if you feel this is incorrect.

Generated Thu, 20 May 1999 18:36:00 GMT by vulcania.lanl.gov (Squid/2.1.RELEASE)

In-coming Proxy (wwwproxy/nicext)

- **Who uses the In-coming Proxy?**
- **Authentication (SSL)**
  - securID and crypto cards
  - HTTP_COOKIE
- **Cookie preference**

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Back   Forward   Reload   Home   Search   Netscape   Print   Security   Stop

Bookmarks   Location: file:/home/eyl/talk/auth.html   What's Related

Internet   Lookup   New&Cool   p

Authentication

Z Number/Username: [   ]

Passcode: [   ]

[Authenticate]

Don't have a SecurID card? You can get one from the ICN Password Office.

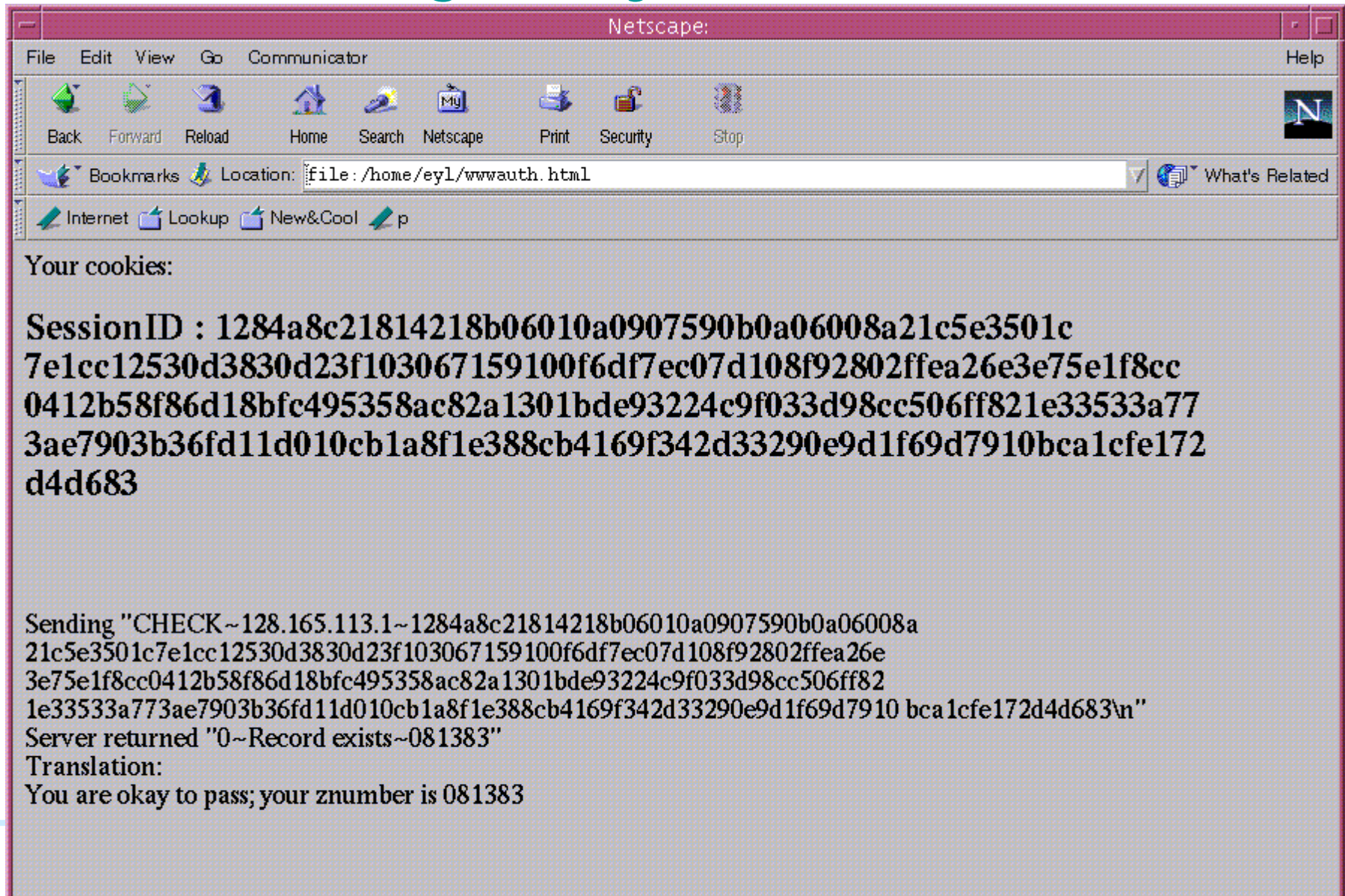**Confused? Try checking the list of moved web sites to see if the page you're trying to load has moved.**

The site you are trying to access has recently been moved behind a firewall, you are being asked to authenticate in order to view the information. If you are trying to view public information, it has most likely moved to a public server; you may try searching from the main LANL web server to find the new location of the web page. You may also contact www-core@lanl.gov and ask for more assistance getting to:

`https://wwwproxy.lanl.gov/GET/http://int.lanl.gov/orgs/cic/cic4`

Notice: This computer system may contain sensitive data and is for authorized use only. All use is subject to audit and may be monitored. Any misuse or unauthorized access is prohibited and is subject to criminal and civil penalties. Evidence of unauthorized activity may be provided to law enforcement officials. This computer system is operated under the auspices of the U.S.

In-coming Proxy - session ID

Netscape:

File   Edit   View   Go   Communicator   Help

Back   Forward   Reload   Home   Search   Netscape   Print   Security   Stop

Bookmarks   Location: `file:/home/eyl/wwwauth.html`   What's Related

Internet   Lookup   New&Cool   p

Your cookies:

SessionID : 1284a8c21814218b06010a0907590b0a06008a21c5e3501c
7e1cc12530d3830d23f103067159100f6df7ec07d108f92802ffea26e3e75e1f8cc
0412b58f86d18bfc495358ac82a1301bde93224c9f033d98cc506ff821e33533a77
3ae7903b36fd11d010cb1a8f1e388cb4169f342d33290e9d1f69d7910bca1cfe172
d4d683

Sending "CHECK~128.165.113.1~1284a8c21814218b06010a0907590b0a06008a
21c5e3501c7e1cc12530d3830d23f103067159100f6df7ec07d108f92802ffea26e
3e75e1f8cc0412b58f86d18bfc495358ac82a1301bde93224c9f033d98cc506ff82
1e33533a773ae7903b36fd11d010cb1a8f1e388cb4169f342d33290e9d1f69d7910 bca1cfe172d4d683\n"
Server returned "0~Record exists~081383"
Translation:
You are okay to pass; your znumber is 081383

Other servers supporting Web

- ◆ **Phone Look-up**
    - ■ LDAP-Green
    - ■ LDAP
- ◆ **Search Engines**
- ◆ **Sybase Data Base**
- ◆ **KNSC (Kerberos Network Security Controller)**
- ◆ **UDP proxy**
- ◆ **CIC mail pop servers**
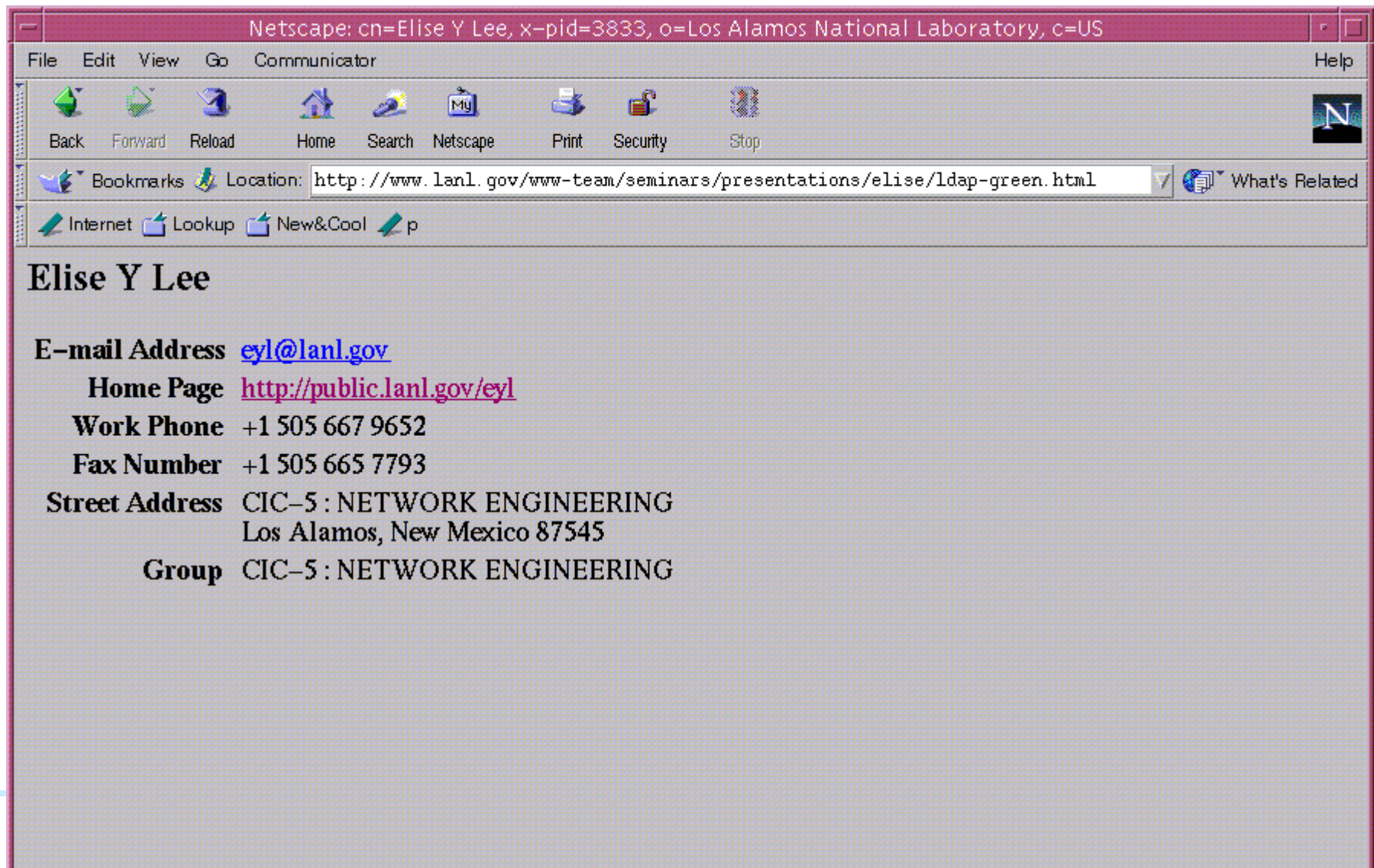
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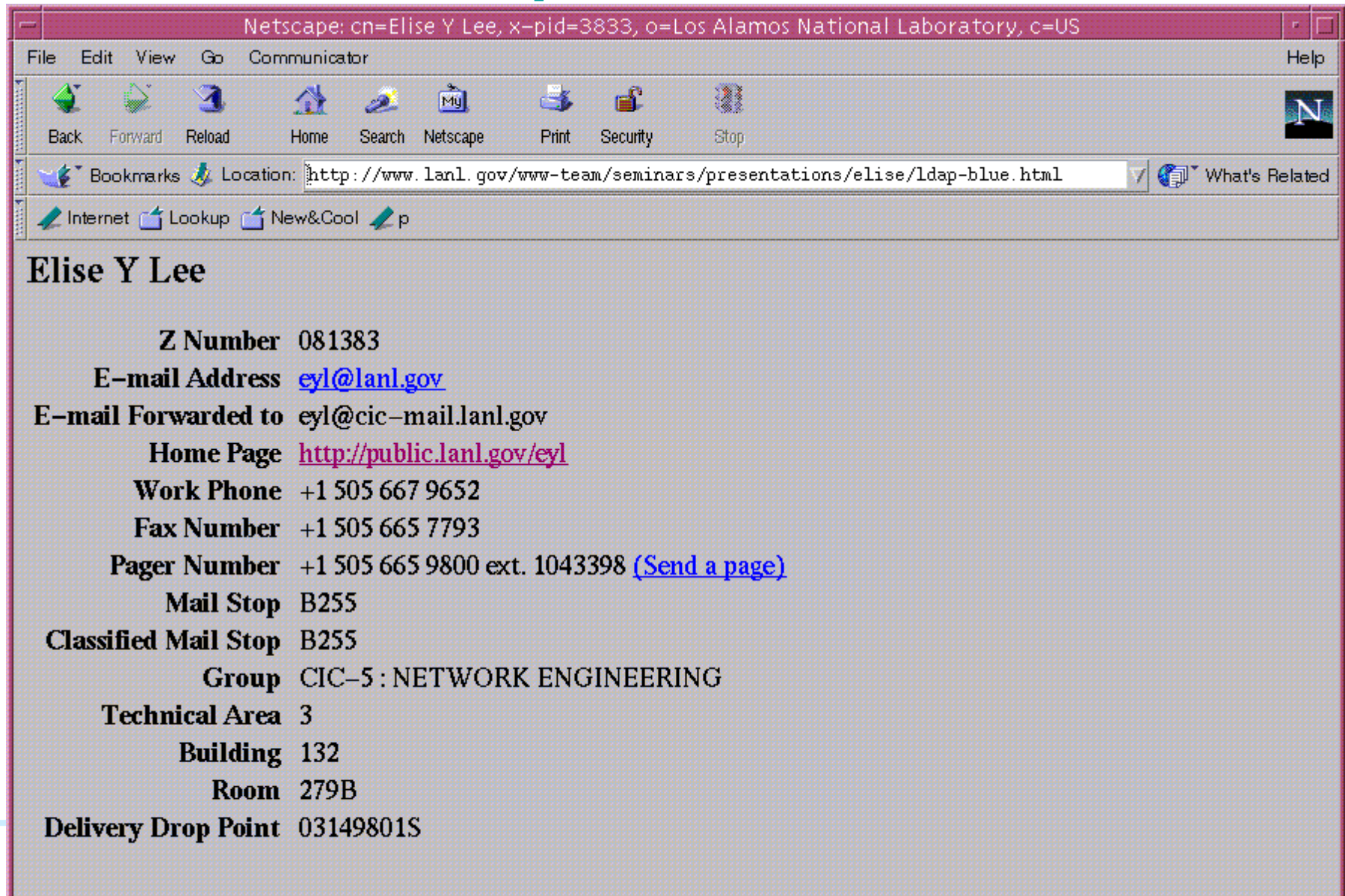
LDAP-Green - sample

LDAP - sample

File   Edit   View   Go   Communicator   Help

Back   Forward   Reload   Home   Search   Netscape   Print   Security   Stop

Bookmarks Location: http://www.lanl.gov/www-team/seminars/presentations/elise/ldap-blue.html   What's Related

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Elise Y Lee

Z Number	081383
E–mail Address	eyl@lanl.gov
E–mail Forwarded to	eyl@cic–mail.lanl.gov
Home Page	http://public.lanl.gov/eyl
Work Phone	+1 505 667 9652
Fax Number	+1 505 665 7793
Pager Number	+1 505 665 9800 ext. 1043398 (Send a page)
Mail Stop	B255
Classified Mail Stop	B255
Group	CIC–5 : NETWORK ENGINEERING
Technical Area	3
Building	132
Room	279B
Delivery Drop Point	03149801S

Misc. Quiz Time

- **What is labview?**
- **What is worldview?**

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Quiz Time - Labview

Quiz Time - Worldview